

of Her Majesty's ships; and the general approbation of the scientific world will we hope cause similar applications of small portions of the public money in future.

*Algæ Hibernicæ.* By Wm. M<sup>c</sup>Calla, Associate of the Edinburgh Botanical Society. Vol. I. Dublin, S. B. Oldham, 8 Suffolk Street, 1845.

Under this title Mr. M<sup>c</sup>Calla has just published a very handsome volume in large-sized quarto, price 1*l.*, containing beautifully preserved specimens of fifty different species of Irish Algæ; and proposes in future similar volumes to edit the remainder of our species, as well freshwater as marine. The volume is bound in strong boards covered with purple grained cloth, and the specimens are fixed on peculiarly stout and thick paper, so that they may be turned over with great facility and without danger of injury. Those in the present volume have been collected chiefly in Roundstone Bay, county Galway, a locality well known to science by Mr. M<sup>c</sup>Calla's very numerous zoological and botanical discoveries, and are as follows:—

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| 1. <i>Griffithsia multifida</i> , <i>Ag.</i>       | 26. <i>Ulva bullosa</i> , <i>Roth.</i>            |
| 2. ——— <i>corallina</i> , <i>Ag.</i>               | 27. <i>Conferva rectangularis</i> , <i>G.</i>     |
| 3. <i>Callithamnion plumula</i> , <i>Lyngb.</i>    | 28. ——— <i>Hutchinsia</i> , <i>Dill.</i>          |
| 4. ——— <i>pedicellatum</i> , <i>Ag.</i>            | 29. ——— <i>Kaneana</i> , <i>M<sup>c</sup>C.</i>   |
| 5. ——— <i>Hookeri</i> , <i>Ag.</i>                 | 30. <i>Fucus balticus</i> , <i>Ag.</i>            |
| 6. ——— <i>corymbosum</i> , <i>Ag.</i>              | 31. ——— <i>Mackaii</i> , <i>Turn.</i>             |
| 7. ——— <i>tetragonum</i> , <i>Ag.</i>              | 32. <i>Gigartina Griffithsia</i> .                |
| 8. ——— <i>Arbuscula</i> , <i>Ag.</i>               | 33. <i>Lyngbya majuscula</i> , <i>Harv.</i>       |
| 9. ——— <i>Daviesii</i> , <i>Ag.</i>                | 34. <i>Schizonema quadripunctatum.</i>            |
| 10. ——— <i>polyspermum</i> , <i>Ag.</i>            | 35. <i>Chylocladia clavellosa</i> , <i>Hook.</i>  |
| 11. ——— <i>byssoides</i> , <i>Arn.</i>             | 36. <i>Rhodomenia bifida</i> , <i>Grev.</i>       |
| 12. <i>Delesseria ruscifolia</i> , <i>Lx.</i>      | 37. <i>Porphyra vulgaris</i> , <i>Ag.</i>         |
| 13. ——— <i>Hypoglossum</i> , <i>Lx.</i>            | 38. <i>Ralfsia deusta</i> , <i>Grev.</i>          |
| 14. <i>Berkeleya fragilis</i> , <i>Grev.</i>       | 39. <i>Haliseris polypodioides</i> , <i>Ag.</i>   |
| 15. <i>Chætophora tuberculosa</i> , <i>Hook.</i>   | 40. <i>Helminthocladia virescens.</i>             |
| 16. <i>Gloiosiphonia capillaris</i> , <i>Carm.</i> | 41. ——— <i>Griffithsiana.</i>                     |
| 17. <i>Nitophyllum punctatum</i> , <i>Grev.</i>    | 42. <i>Rivularia nitida</i> , <i>Ag.</i>          |
| 18. <i>Striaria attenuata</i> , <i>Grev.</i>       | 43. <i>Ceramium</i> ———?                          |
| 19. <i>Batrachospermum atrum</i> , <i>H.</i>       | 44. <i>Polysiphonia byssoides</i> , <i>Gr.</i>    |
| 20. ——— <i>moniliforme</i> , <i>Ag.</i>            | 45. ——— <i>violacea</i> , <i>Grev.</i>            |
| 21. ——— <i>vagum</i> , <i>Ag.</i>                  | 46. <i>Bryopsis hypnoides</i> , <i>Lx.</i>        |
| 22. <i>Dasya Arbuscula</i> , <i>Ag.</i>            | 47. <i>Sporochnus rhizodes</i> , <i>Ag.</i>       |
| 23. <i>Mesogloia multifida</i> , <i>Ag.</i>        | 48. <i>Laurencia obtusa</i> , <i>Lx.</i>          |
| 24. <i>Gelidium corneum</i> , <i>Lx.</i>           | 49. <i>Enteromorpha intestinalis</i> , <i>Lk.</i> |
| 25. <i>Ulva crispa</i> , <i>Lightf.</i>            | 50. <i>Bangia fuscopurpurea.</i>                  |

Several in this list are of great rarity, and others very local. Among the first we may mention *Gloiosiphonia capillaris* (of which Mr. M<sup>c</sup>Calla's specimens are the finest we have ever seen), *Striaria attenuata*, *Batrachospermum atrum*, *Conferva rectangularis*, *Haliseris polypodioides*, *Helminthocladia Griffithsiana* and *Bryopsis hypnoides* (very fine); and among the latter, *Callithamnion pedicellatum*, *C. Arbuscula*, *Berkeleya fragilis*, *Dasya Arbuscula*, *Conferva Hutchinsia*, *Fucus balticus* and *Fucus Mackaii*. Besides these rarities there is one entirely new species, *Conferva Kaneana*, M<sup>c</sup>C., a delicately beau-

tiful plant resembling in many respects *Conf. gracilis*, Griff., but much more slender, and indeed nearly as soft and fine as an *Ectocarpus*. This is dedicated to Mrs. Kane, lady of Professor Kane, who was present at its discovery, and who some years ago published an Irish Flora.

Much praise is due to Mr. M<sup>c</sup>Calla for the zeal and ability with which he has explored the west coast, and the creditable manner in which he has edited the present work. His future volumes will, we doubt not, contain an equal number of interesting plants. He proposes, we understand, shortly to visit our northern shores, so famous for the magnificent growth of *Florideæ*, and his second volume will be ornamented with the finest of these. We heartily wish him the success which so praiseworthy an undertaking deserves.

*Prodromus Systematis Naturalis Regni Vegetabilis*, editore et pro parte auctore Alph. DeCandolle. Vol. ix. Paris, 1845.

We have just received the new volume of this valuable work, which is far too well known to require any praise from us. The orders *Loganaceæ*, *Gentianeæ*, *Bignoniaceæ*, *Cyrtandraceæ*, *Polemoniaceæ*, *Convolvulaceæ*, part of *Boragineæ*, and a few lesser orders are included in this volume. A considerable portion is from the pen of the elder DeCandolle, and is illustrated by notes from his son's hand; the remainder consists of the labours of well-known botanists, each upon that order with which he is best acquainted. The additional observations appended to the specific character of each species seem to be rather fuller than in former volumes. It is stated that vol. x. is in the press.

#### WORKS JUST PUBLISHED.

*Descriptions of the Grasses of Britain, illustrated by 210 Figures drawn and engraved by the author, Richard Parnell, M.D., F.R.S.E.*

The work contains a figure and description of every grass found in Britain, with their agricultural uses, &c.

*Cornish Fauna, being a Compendium of the Natural History of the County. Part 3: Zoophytes and Calcareous Corallines.* By R. Q. Couch, M.R.C.S.L.

### PROCEEDINGS OF LEARNED SOCIETIES.

#### LINNÆAN SOCIETY.

June 18, 1844.—The Lord Bishop of Norwich, President, in the Chair.

Read the conclusion of Mr. Griffith's memoir "On the Root-Parasites referred by authors to *Rhizanthææ*, and their Allies."

This extensive memoir, or series of memoirs, commences with "An Attempt to analyse *Rhizanthææ*," as established by Prof. Endlicher and by Prof. Lindley, from which the author deduces the inference, "that in the construction of the group called *Rhizanthææ*, a